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Los &amp; Stigter

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International patent application PCT/NL2004/00186**AMENDED MAIN CLAIM**

1. A method of separating a particle fraction from  
5 a particle stream, wherein the particles of the particle  
stream are separated in a fluid in a container under the  
influence of gravitational force based on difference in  
vertical velocity, wherein the fluid and the particles are  
moved in a substantially horizontal direction defining a  
10 relative direction of movement, and wherein at a first  
location a first particle fraction is collected, and at a  
second location somewhat removed from the first location, a  
second particle fraction is collected in respective  
collecting means, wherein baffles are provided for causing  
15 the fluid to move in the relative direction of movement,  
**characterised** in that the baffles are placed maximally 3,  
preferably maximally 2 and most preferably less than 1 x the  
diameter of spread of the particles that spread out the most  
of the particle fraction spreading out the most.